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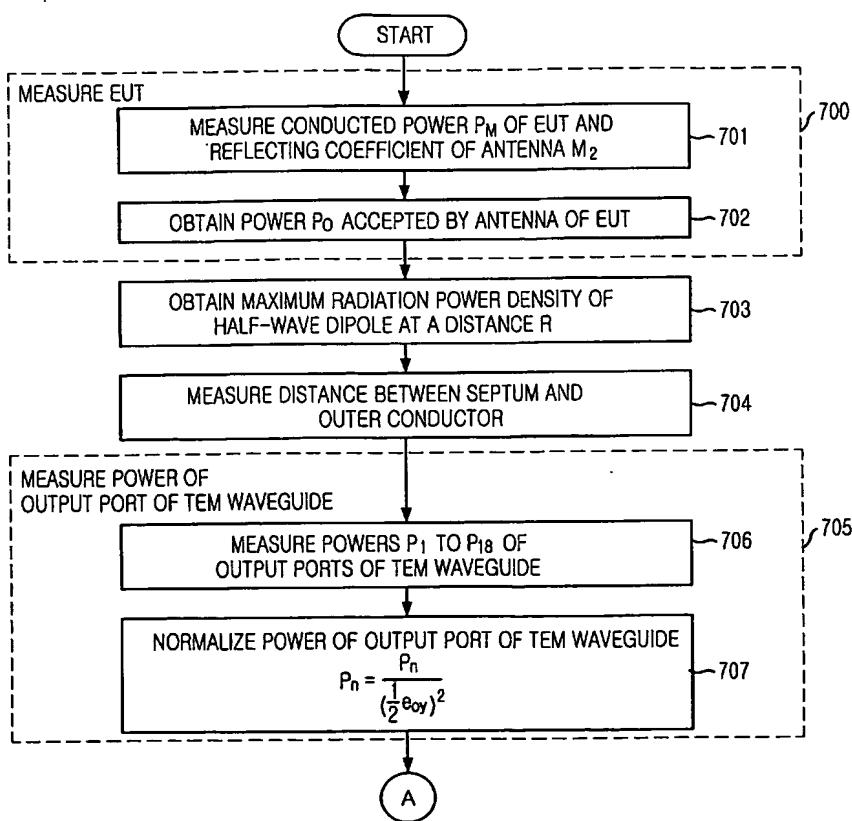
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(54) Title: METHOD FOR MEASURING ELECTROMAGNETIC RADIATION PATTERN AND GAIN OF RADIATOR USING TEM WAVEGUIDE



(57) Abstract: A method for measuring electromagnetic radiation pattern and gain of radiator using TEM waveguide is disclosed. The method includes the steps of: a) measuring powers of output port of a transverse electric and magnetic (TEM) waveguide by changing arrangements of the radiator located within the TEM waveguide; and b) estimating a radiation power density of the radiator in free space, wherein the radiator is modeled as a dipole moment based on the powers of the output port of the TEM waveguide.

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